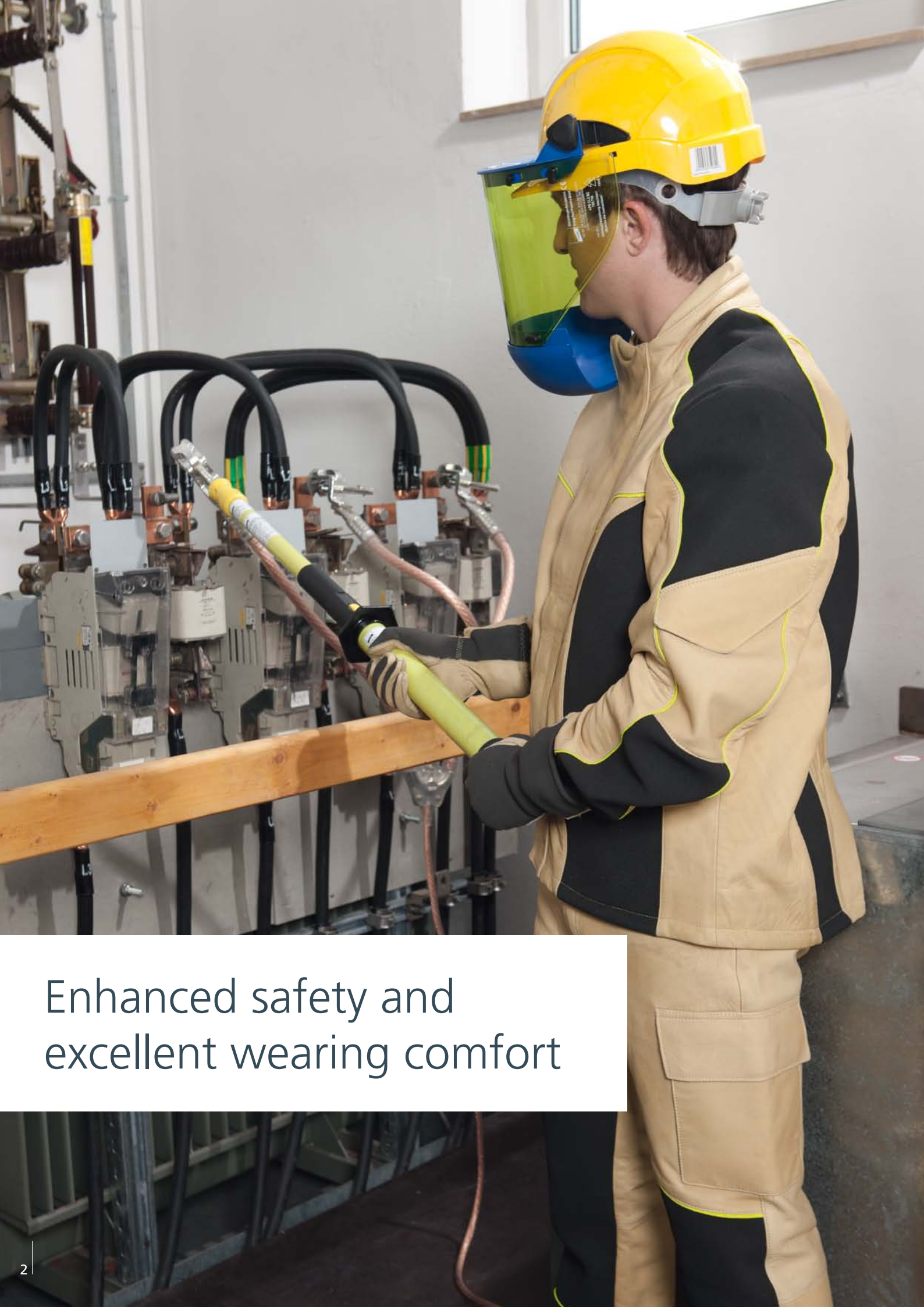




DEHNcare® protects  
Workers exposed to Arc Faults







Enhanced safety and  
excellent wearing comfort

## Why arc fault protection?

Each and every day electrical work is carried out all over the world. The risk that technical defects, maloperation, pollution or foreign matter in the installation cause arc faults cannot be excluded. In the event of an electric arc, workers are exposed to temperatures of more than 10,000°C, resulting in severe burns.

Arc-fault-tested personal protective equipment consisting of:

- Safety helmet for electricians with face shield
- Protective gloves
- Protective suit

protects against thermal effects.

According to the International Social Security Association and national regulations in the country of use, arc fault protection shall be taken into account for risk assessment. If there is an arc fault risk, employers shall ensure that suitable personal protective equipment is provided to their employees and that it is used. Personal protective equipment must be tested and approved by an accredited certification body.

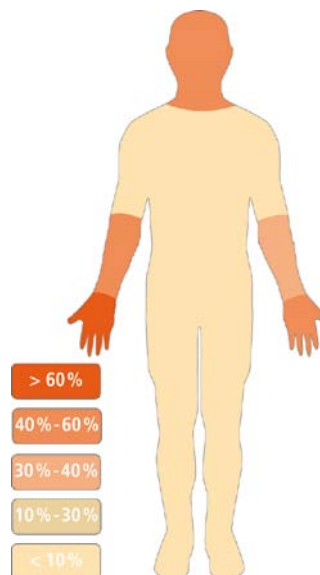
Personal protective equipment from DEHN is tested to international standards. Visors made of nanoparticles, gloves and neoprene and leather protective suits offer maximum protection and wearing comfort.



## Health hazards associated with arc faults

According to the International Social Security Association and national regulations in the country of use, arc fault protection shall be taken into account for risk assessment. Depending on the risks to be expected, employers shall ensure that suitable personal protective equipment in compliance with the EEC directive on personal protective equipment (89/686/EEC) is provided to their employees and that it is used for its intended purpose.

### Distribution of thermal injuries



The hand and forearm region is particularly at risk of being burnt by arc faults whilst working at electrical installations.  
Source: BGETEM





## DEHNcare® protective gloves

The hand and forearm region is particularly at risk of being burnt by arc faults whilst working at electrical installations. DEHNcare protective gloves of type APG offer reliable protection. They comply with the relevant laws and regulations and have been extensively tested in box tests.

### DEHNcare® protective gloves of type APG

#### Protection against:

- Second-degree skin burns caused by arc faults
- Cut and stab wounds

#### Maximum wearing comfort thanks to:

- Reduced sweat
- Exceptional touch sensitivity
- Excellent fit



Type	Part No.
APG 8	785 796
APG 9	785 797
APG 10	785 798
APG 11	785 799
APG 12	785 800



## DEHNcare® protective suit

The two-part DEHNcare protective suit protects against burns caused by arc faults. The combination of breathable leather and neoprene materials complies with IEC 61482-1-2 (class 2) and ensures a high wearing comfort.

### DEHNcare® protective suit of type APJ

Arc-fault-tested protective jacket,  
available in sizes 48 to 58.

- Flame-retardant zip and hook-and-loop fasteners
- Reinforced stand-up collar
- Reflective strips
- Useful side pockets



Type	Part No.
APJ 48	785 770
APJ 50	785 771
APJ 52	785 772
APJ 54	785 773
APJ 56	785 774
APJ 58	785 775



The flame-retardant lining and the reflective strips provide maximum protection. All materials such as zip and hook-and-loop fasteners are also flame-retardant. The flapped side pockets round off the appearance. The suit is available in six sizes to ensure the right fit.

### DEHNcare® protective trousers of type ATP

Arc-fault-tested protective trousers, available in sizes 48 to 58.

- Flame-retardant fasteners
- Reflective strips
- Pockets for knee pads
- Useful cargo pockets
- Adjustable belt
- Pair of braces
- Knee pads



Type	Part No.
APT 48	785 780
APT 50	785 781
APT 52	785 782
APT 54	785 783
APT 56	785 784
APT 58	785 785





## DEHNcare® safety helmet with arc-fault-protected face shield

Accident statistics show that the face region is frequently affected by severe burns. The DEHN safety helmet with arc-fault-protected face shield prevents second-degree skin burns. It protects the face and head region from flying debris and splashes and, at the same time, offers maximum wearing comfort. The visor is coated with nanoparticles and is thus extremely robust and scratch-proof.

### Safety helmet for electricians of type ESH

Protection of the head and face region  
Maximum wearing comfort

Easy to use thanks to:

- Push / rotary knob for adjusting the size
- Plug-in system (helmet, face shield)



### DEHNcare® arc-fault-protected face shield of type APS

Excellent visibility due to:

- Anti-mist coating
- Natural colour reproduction
- High light transmittance

High degree of protection due to nanotechnology:

- Energy absorbing
- Low wear

Type	Part No.
ESH 100 S Y, yellow	785 740
ESH 1000 S W, white	785 741
ESH 1000 S O, orange	785 742
ESH 1000 S B, blue	785 743
ESH 1000 S R, red	785 744

Type	Part No.
APS CL2 SC	785 746
APS 12C SC	785 747
APS CL2 FS	785 748
APS 12C FS	785 749





## DEHN protects

DEHN stands for top-quality safety equipment as well as lightning and surge protection products. Our high-grade protective clothing was tested by renowned and accredited institutes in line with international standards. The DEHNcare protective suit and safety helmet are certified as follows:

### DEHNcare® jacket and trousers:

- Institut für Ökologie, Technik und Innovation GmbH, independent test institute with extensive expertise in textiles
- Öko-Text-Standard, independent test and certification system for textile products

### DEHNcare® face shield:

- ECS, independent test institute specialised in the conformity assessment of eye protection devices

### DEHNcare® gloves:

- STFI, Sächsisches Textilforschungsinstitut e.V., accredited test institute of the textile industry





Our promise



## DEHN protects

Our key objective is to protect workers and material assets. It was our pioneering spirit and innovative ideas that have defined our company for more than 100 years and made us a market leader with more than 1,400 employees. Our products and developments reflect our market feasibility, commitment and ideas.

As early as in 1923 our founder Hans Dehn started production of external lightning protection and earthing components to optimise the protection of buildings and installations. In 1954, we launched the first series of surge protective devices. Constant further development of these devices ensures safe operation and permanent availability of electrical and electronic installations. Also in the 1950s, our third sector, safety equipment, was added to our portfolio.

The Bavarian town of Neumarkt is the heart of our activities where product managers and developers advance our protection technologies. Here we manufacture our high-quality safety products.

## We offer the best solution

Our concern is to be a reliable and fair partner for our industrial, commercial and technical customers all over the world. To this end, we always focus on the best solution to protection problems. Our sales teams in Germany and our global network of 11 subsidiaries as well as more than 70 international sales partners are committed to competent and customer-oriented distribution of our products. Proximity and close contact with our customers is of utmost importance to us, be it on-site support by our experienced field staff team, our telephone hotline or personal contact at trade fairs.

In hundreds of seminar, workshops and conferences held every year throughout the world we impart practical knowledge on products and solutions. Our specialised book "Lightning Protection Guide" and our brochures will broaden your practical knowledge. Or visit us at [www.dehn.de](http://www.dehn.de) for information around the clock.



**Surge Protection  
Lightning Protection  
Safety Equipment  
DEHN protects.**

DEHN + SÖHNE  
GmbH + Co.KG.

Hans-Dehn-Str. 1  
Postfach 1640  
92306 Neumarkt  
Germany

Tel. +49 9181 906-0  
Fax +49 9181 906-1100  
info@dehn.de  
www.dehn.de



[www.dehn.de/ds/ds185e](http://www.dehn.de/ds/ds185e)

DEHN brand, DEHNcare are protected by German Trade Mark, by Community Trade Mark (EU), and/or other countries.